

CLAIMS

1. A method of adding activated carbon in water purification treatment by adding activated carbon to water to be treated to purify water to be treated, characterized in that an aqueous suspension containing activated carbon fine particles having an average particle size of 0.1  $\mu\text{m}$  to 10  $\mu\text{m}$  obtainable by wet milling of the particles of the activated carbon is added to the water to be treated.

2. The addition method of activated carbon in the water purification treatment according to claim 1, wherein a concentration of the activated carbon in an aqueous suspension containing the activated carbon fine particles is 0.1 mass percent to 10 mass percents.

3. The addition method of activated carbon in the water treatment according to claim 1 or 2, wherein a milling machine is installed by attaching to a passage of the water to be treated or to a tank reservoiring water to be treated, so that the activated carbon particles are subjected to wet milling by the milling machine.

4. A water treatment method of purifying water to be treated by use of activated carbon, characterized by adding, to water to be treated, an aqueous suspension containing activated carbon fine particles having an average particle size of 0.1  $\mu\text{m}$  to 10  $\mu\text{m}$  obtainable by wet milling of the particles of the activated carbon, and by further subjecting an obtained activated carbon-containing water to be treated to a membrane separation treatment.

5.       The water treatment method according to claim 4, wherein a concentration of activated carbon in the aqueous suspension containing the activated carbon fine particles is 0.1 mass percent to 10 mass percents.

5   6.       The water treatment method according to claim 4 or 5, wherein milling machine is installed by attaching to a passage of water to be treated or to a tank reservoiring water to be treated, so that the activated carbon particles are subjected to wet milling by the milling machine.